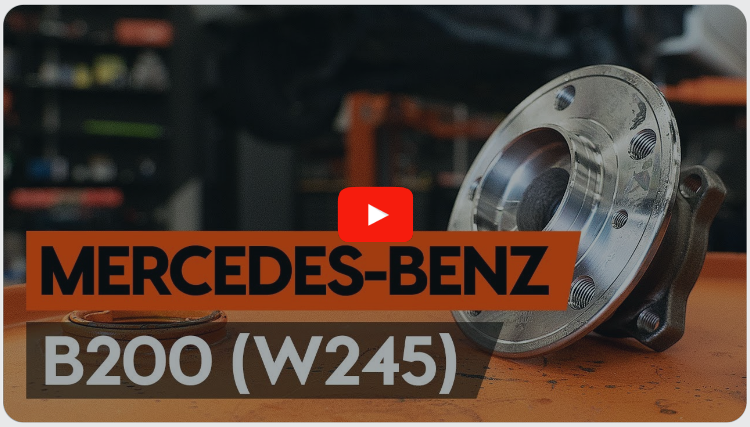
AUTODOC CLUB

How to change rear wheel bearing on **MERCEDES-BENZ A-Class (W169)** – replacement guide

SIMILAR VIDEO TUTORIAL



This video shows the replacement procedure of a similar car part on another vehicle

Important!

This replacement procedure can be used for:
MERCEDES-BENZ A-Class (W169) E-CELL (169.090), MERCEDES-BENZ A-Class (W169) A 200 CDI (169.308, 169.008), MERCEDES-BENZ A-Class (W169) A 170 (169.032, 169.332), MERCEDES-BENZ A-Class (W169) A 150 (169.031, 169.331), MERCEDES-BENZ A-Class (W169) A 200 (169.033, 169.333), MERCEDES-BENZ A-Class (W169) A 160 CDI (169.006, 169.306), MERCEDES-BENZ A-Class (W169) A 180 CDI (169.007, 169.307), MERCEDES-BENZ A-Class (W169) A 200 CDI (169.008, 169.308), MERCEDES-BENZ A-Class (W169) A 200 TURBO (169.034, 169.334), MERCEDES-BENZ A-Class (W169) A 160 (169.031, 169.331), MERCEDES-BENZ A-Class (W169) A 180 (169.032, 169.332)

The steps may slightly vary depending on the car design.

This tutorial was created based on the replacement procedure for a similar car part on: MERCEDES-BENZ B-Class (W245) B 200 (245.233)

REPLACEMENT: WHEEL BEARING – MERCEDES-BENZ A-CLASS (W169). LIST OF THE TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #13
- Combination spanner #15
- Torx bit T30
- Drive socket # E10
- Drive socket # 13
- Drive socket # E16
- Drive socket # 16
- Wheel impact socket #H12
- Ratchet wrench
- Torque wrench
- Impact screwdriver
- Tap wrench
- Crow bar
- Hub slide hammer puller
- Wheel chock

Buy tools

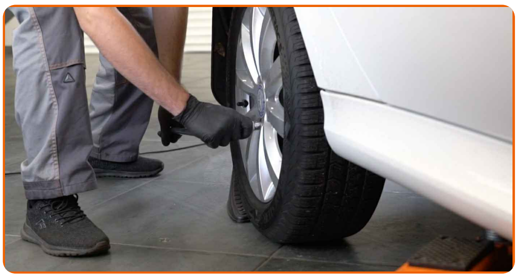
Replacement: wheel bearing – MERCEDES-BENZ A-Class (W169). Professionals recommend:

- Do not re-use the bearing assembly of your MERCEDES-BENZ A-Class (W169) car.
- The wheel hub bearing replacement procedure is identical for both wheels on the same axle.
- All work should be done with the engine stopped.

REPLACEMENT: WHEEL BEARING – MERCEDES-BENZ A-CLASS (W169). TAKE THE FOLLOWING STEPS:

1 Secure the wheels with chocks.

2 Loosen the wheel mounting bolts. Use wheel impact socket #H12.



3 Raise the rear of the car and secure on supports.

4 Unscrew the wheel bolts.



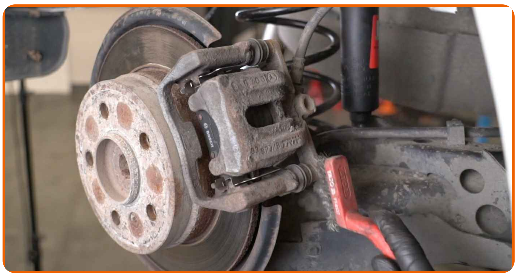
Replacement: wheel bearing – MERCEDES-BENZ A-Class (W169). AUTODOC recommends:

- To avoid injury, hold up the wheel when unscrewing the bolts.

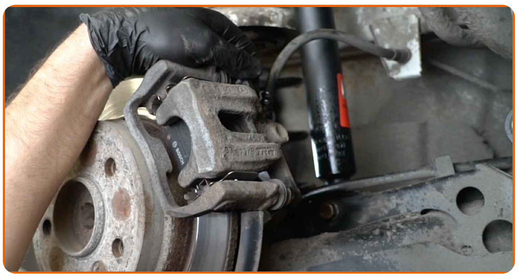
5 Remove the wheel.



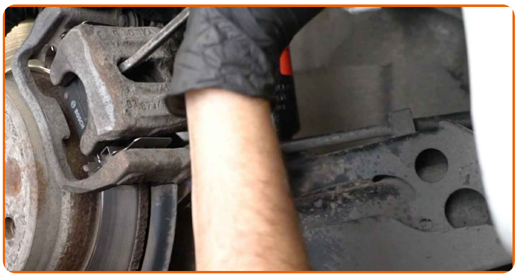
6 Clean the brake caliper fasteners. Use a wire brush. Use WD-40 spray.



7 Unscrew the brake caliper fastening. Use a combination spanner #13. Use a combination spanner #15.



8 Spread the brake pads. Use a crowbar.



9 Remove the brake caliper.

Replacement: wheel bearing – MERCEDES-BENZ A-Class (W169). AUTODOC experts recommend:

- Tie the caliper to the suspension or to the body with a wire without disconnecting from the brake hose to prevent depressurization of the brake system.
- Make sure that the brake caliper is not hanging on the brake hose.
- Don't press the brake pedal after the brake caliper has been removed. As a result, the piston can fall out from the brake cylinder, and brake fluid leakage and depressurization of the system may occur.
- Check the brake caliper bracket, brake caliper guide pins and boots. Clean them. Replace, if necessary.

10

Remove the brake pads.



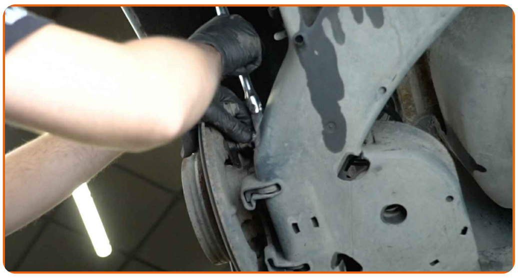
11

Clean the brake caliper bracket fasteners. Use a wire brush. Use WD-40 spray.



12

Unscrew the caliper bracket fastening. Use a drive socket #16. Use a tap wrench. Use a ratchet wrench.



13

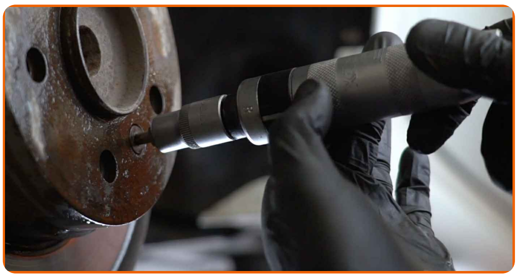
Remove the caliper bracket.



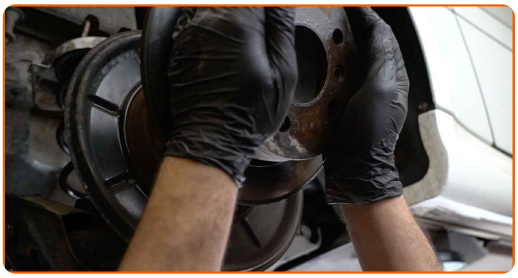
14 Clean the brake disc fasteners. Use a wire brush. Use WD-40 spray.



15 Unscrew the brake disc fastening. Use Torx T30. Use an impact screwdriver.



16 Remove the brake disc.

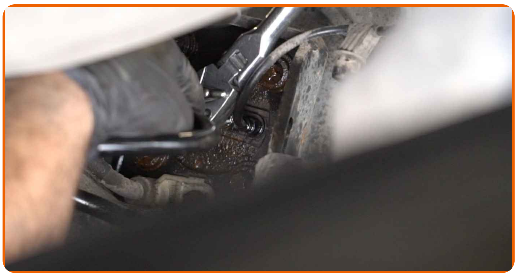


17 Clean the fasteners of the wheel hub bearing. Use a wire brush. Use WD-40 spray.



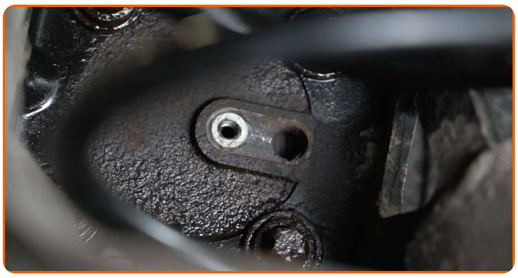
18

Unscrew the ABS sensor fastener. Use a drive socket #E10. Use a ratchet wrench.



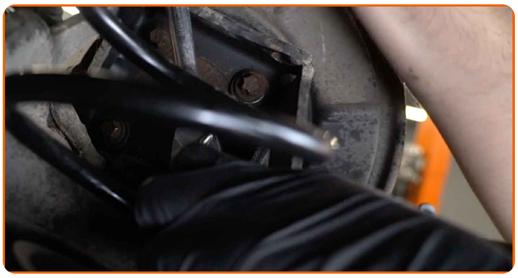
19

Disconnect the ABS sensor.



20

Unscrew the hub bearing mounting. Use a drive socket #E16. Use a ratchet wrench.



21

Remove the hub and the bearing together, since they are a sealed unit. Use the hub slide hammer puller.



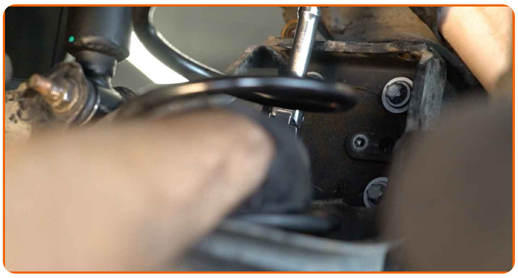
22 Clean the hub bearing mounting seat. Use a wire brush. Use WD-40 spray.



23 Install the new wheel hub with a bearing.



24 Tighten the fastener of the wheel hub bearing. Use a drive socket #E16. Use a torque wrench. Tighten it to 120 nm torque.

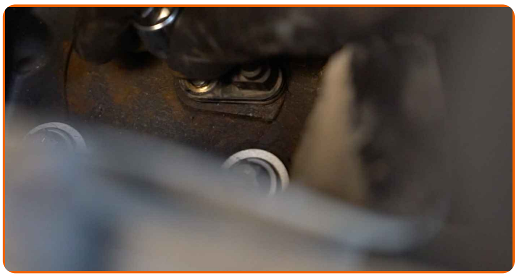


Replacement: wheel bearing – MERCEDES-BENZ A-Class (W169). Tip:

- The wheel bearing unit must not tilt on the axle pin.

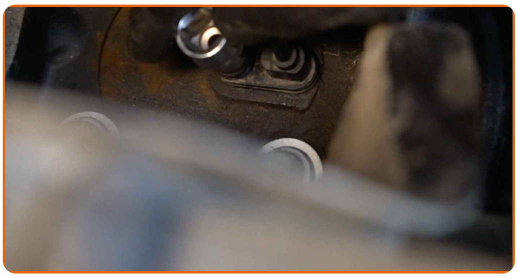
25

Connect the ABS sensor.



26

Screw in the ABS sensor fastener. Use a drive socket #E10. Use a torque wrench. Tighten it to 9 Nm torque.



27

Treat the fasteners of the wheel hub bearing. Use copper grease.



28

Install the brake disc.



29

Tighten the brake disc fastening. Use Torx T30. Use a torque wrench. Tighten it to 9 Nm torque.



30 Clean the brake caliper bracket from dirt and dust. Use a wire brush. Use a brake cleaner.



AUTODOC recommends:

- Replacement: wheel bearing – MERCEDES-BENZ A-Class (W169). After applying the spray, wait a few minutes.

31 Install the brake caliper bracket.



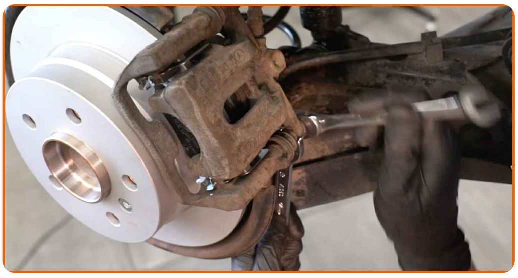
32 Tighten the brake caliper bracket. Use a drive socket #16. Use a torque wrench. Tighten it to 55 Nm torque.



33 Install the brake pads.



34 Install the brake caliper and fix it. Use a combination spanner #13. Use a combination spanner #15. Use a drive socket #13. Use a torque wrench. Tighten it to 35 Nm torque.



35 Treat the surface where the brake disc contacts the wheel rim. Use copper grease.



36 Clean the brake disk surface. Use a brake cleaner.



Replacement: wheel bearing – MERCEDES-BENZ A-Class (W169). Tip from AUTODOC:

- After applying the spray, wait a few minutes.

37 Install the wheel.



AUTODOC recommends:

- Important! Hold the wheel while screwing in the fastening bolts. MERCEDES-BENZ A-Class (W169)

38 Screw in the wheel bolts. Use wheel impact socket #H12.



39 Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #H12. Use a torque wrench. Tighten it to 130 Nm torque.

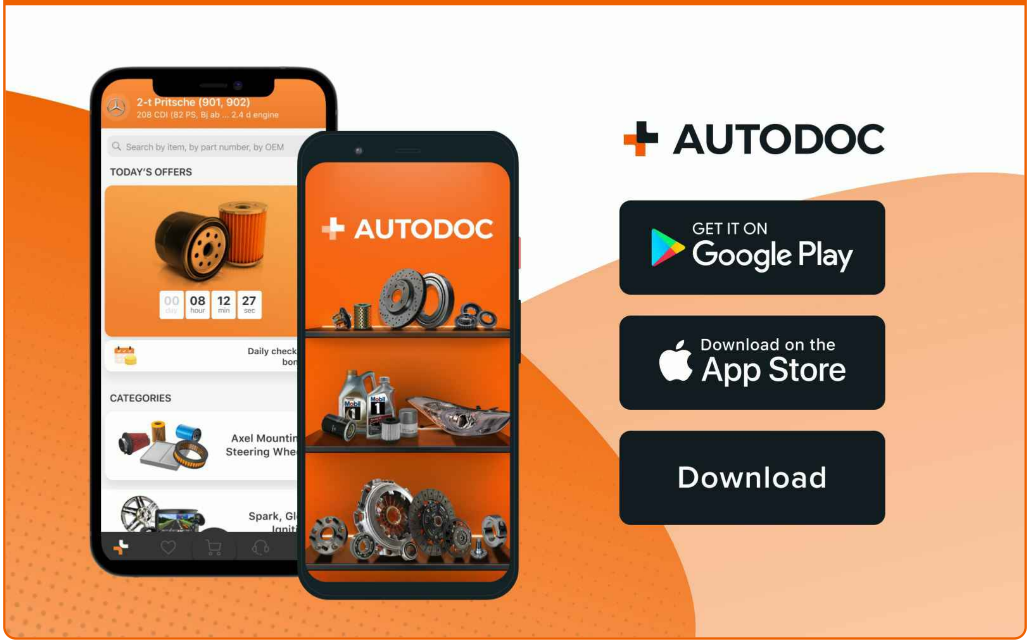
40 Remove the jacks and chocks.

WELL DONE!

VIEW MORE TUTORIALS

AUTODOC — TOP QUALITY AND AFFORDABLE CAR PARTS ONLINE

AUTODOC MOBILE APP: GREAT DEALS AND CONVENIENT SHOPPING



A GREAT SELECTION OF SPARE PARTS FOR YOUR CAR

WHEEL BEARING: A WIDE SELECTION

DISCLAIMER:

The document contains only general recommendations that may be useful for you when you perform repair or replacement work. AUTODOC shall not be liable for any loss, injury, damage of property occurring in the repair or replacement process due to incorrect use or misinterpretation of the provided information.

AUTODOC shall not be liable for any possible mistakes and uncertainties in this guide. The information provided is for information purposes only and cannot replace advice from specialists.

AUTODOC shall not be liable for incorrect or hazardous usage of equipment, tools and car parts. AUTODOC strongly recommends to be careful and observe the safety rules when performing repair or replacement works. Remember: usage of low quality auto parts does not guarantee you the appropriate level of road safety.

© Copyright 2023 – All the contents of this website, in particular texts, photographs and graphics, are protected by copyright. All rights, including reproduction, publication, editing and translation rights, are reserved by AUTODOC SE.